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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

Complete If Known			
Application Number	10/071,980		
Filing Date	February 6, 2002	_	
First Named Inventor	Andrew L. Norrell	_	
Art Unit	2631	_	
Examiner Name	Torres, Juan A.		
Attorney Docket Number	6491P044		

	U.S. PATENT DOCUMENTS						
Exar Initi		Cite No.'	Document Number Number - Kind Code ² (il known)	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
7	TA		US-5,422,929 A	06-06-1995	Hurst et al.		
7			US-6,658,049	12-02-2003	McGhee et al.		
			US-6,301,337	10-09-2001	Scholtz et al.		
			US-6,279,769	08-28-2001	Bella, Gregory L.		
			US-6,829,292 B1	12-07-2004	Shenoi, Kishan		
			US-2002/0090026 A1	07-11-2002	Ashley, Francis R.		
			US-2002/0061058 A1	05-23-2002	Sommer, Jeremy		
			US-2003/0051060 A1	03-13-2003	Vitenberg, Roman		
			US-2002/0105964	08-08-2002	Sommer et al.		
			US-6,226,331 B1	05-01-2001	Gambuzza, Michael J.		
	Π		US-5,825,819 A	10-20-1998	Cogburn, Onis		
			US-6,681,012 B1	01-20-2004	Gorcea et al.		
			US-6,751,315 B1	06-15-2004	Liu et al.		
			US-5,678,198	10-14-1997	Lemson, Paul H.		
			US-5,765,097	06-09-1998	Dail, James E.		
			US-6,532,279	03-11-2003	Goodman, David D.		
			US-6,466,656 B1	10-15-2002	Evans et al.		
			US-2002/0106013 A1	08-08-2002	Norrell et al.		
			US-2002/0141569 A1	08-03-2002	Norrell et al.		
JA	17		US-2002/0106012 A1	08-08-2002	Norrell et al.		

	FOREIGN PATENT DOCUMENTS						
Examiner Cit		Foreign Patent Document			Pages, Columns, Lines,	-	
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Signature

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Sheet 2 of

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	U.S. PATENT DOCUMENTS						
Examiner		Document Number			Pages, Columns, Lines, Where		
Initials*	Cite No.'	Number - Kind Code [®] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
TAC		US-2002/0110221 A1	08-15-2002	Norrell et al.			
		US-					
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	FOREIGN PATENT DOCUMENTS							
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of **Sheet** 3 4

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Art Unit	2631	
Examiner Name	Torres, Juan A.	
Attorney Docket Number	6491P044	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴
JAT		Nilsson, J.W., and Riedel, S.A., "ELECTRIC CIRCUITS", 1996, pages 723-777, Fifth Edition, Addison-Wesley, Reading, MA.	•
JAT		Starr, Thomas, et al., "Understanding Digital Subscriber Line Technology, "Prentice Hall PTR, Upper Saddle River, NJ, 07458, 1999, ISBN 0137805454.	
JAT		Chen, Walter Y., "DSL Simulation Techniques and Standards Development for Digital Subscriber Line Systems", Macmillan Technical Publishing, Indianapolis, Indiana, ISBN 1578700175.	
JAT		"Smart Coil TM - "The line conditioner for the digital age! Smart Coils condition copper pairs for deployment of both ADSL (data) and toll-quality voice services on the same line", Charles a registered Trademark of Charles Industries, LTD., 2 pages.	•
JAT		"Testing Inter-Winding Capacitance", Rhombus Industries, Inc., Huntington Beach, California, 1997, 1 page.	
TAL		"Transformer General Parameters for Telecom Magnetic Component", Delta Products Corporation, Fremont, California, 1 page.	:
tac		"Design Idea DI-61 TinySwitch@-II 3 W Charger: <200 mW No-Load Consumption", Power® Integrations, www.powerint.com, March 2004, 2 pages.	·

Examiner Signature	14	multer	Date Considered	3/	23/	2006	

*Examiner: Initial if reference considered mether or not chatton is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next complianication.

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Sheet 4 of 4

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Art Unit	2631			
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Attorney Docket Number	6491P044			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
JAT		"Lundahl Transformers, Tube amplifier transformers, OPTs, mains, and interstage transformers", http://www.lundahl.se/tubes.html, April 13, 2004, pages 1-7.	
DAT		"TechEncyclopedia", TechWeb, http://www.techweb.com/encyclopedia/defineterm?term=dsl&x=20&y=5, April 16, 2004, pages 1-4.	:
JAT	••	Grossner, Nathan R., "The Wide-Band Transformer: Synthesis", and "The Pulse Transformer: Analysis", Transformers for Electronic Circuits, Copyright © 1967, by McGraw-Hill, pages 225-252.	:
			•

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Examiner Signature	Show les	Date Considered	23 /	200 6

*Examiner: Initial if reference possidered whether or not citation is no conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include

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